



Test Report

XMF24-0004348-03

Date: 2024-06-26

Client Name: JIN FANG TECHNOLOGY(HONG KONG) LIMITED

Client Address: UNIT 616.6/F, KAM TEEM IND BLDG,135 CONNAUGHT RD WEST, SAIWAN,HONG KONG

Sample Name: Under Sink Water Filtration System

Sample Batch No.: /

Production Date: /

Manufacturer: /

Sample other information: Model No.: UC50-W UC50-B, UC50-G

Above information and sample(s) was/were submitted and certified by the client, SGS quoted the information with no responsibility as to the accuracy, adequacy and/or completeness.

Date of Sample Received: 2024-06-04

Testing Period: 2024-06-04 ~ 2024-06-24

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Results(s): Please refer to next page(s).

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Sample Description:

Sample No.	SGS Sample ID	Description
2	XMF24-0004348-0002	Under Sink Water Filtration System

Test requested:

Selected test(s) as requested by applicant: Test the Removal rate of Perfluorooctanoic acid (PFOA), Perfluorooctane sulfonic acid (PFOS), Free Chlorine at the start-up of the service life.

Test method(s):

Free Chlorine Challenge Testing: Refer to NSF/ANSI 42-2022: Drinking Water Treatment Units, Aesthetic Effects.

Perfluorooctanoic acid (PFOA), Perfluorooctane sulfonate (PFOS) Challenge Testing: Refer to NSF/ANSI 58-2022 Reverse Osmosis Drinking Water Treatment Systems.

Perfluorooctanoic acid (PFOA), Perfluorooctane sulfonic acid (PFOS): US EPA 537: Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS).

Free Chlorine: GB/T 5750.11-2023 Standard examination methods for drinking water -Disinfectants parameters.

Test Result(s):

NSF/ANSI Standard 42 - Aesthetic Effects						
NO	Test item(s)	Unit(s)	Test Result(s)		*Removal Rate	**Requirement
			Influent spiked water	Effluent filtrated water		Refer to NSF/ANSI 42
1	Free Chlorine	mg/L	2.09	0.02	99.0%	≥50.00%
NSF/ANSI Standard 58 - Health Effects Testing						
NO	Test item(s)	Unit(s)	Test Result(s)		*Removal Rate	**Requirement
			Influent spiked water	Effluent filtrated water		Refer to NSF/ANSI 53
2	Perfluorooctanoic acid (PFOA)	µg/L	1.16	<0.01	>99.1%	≥95.33%
3	Perfluorooctane sulfonic acid (PFOS)	µg/L	1.10	<0.01	>99.0%	

Remark:

- *Removal Rate (%) = (The test result of Influent spiked water - The test result of Effluent filtrated water) / The test result of Influent water x100%
- The flow rate is 6L/min.
- **Evaluation criteria are converted according to the formula provided by the client.

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Sample Photo:



SGS authenticate the photo on original report only

Attention:

Chinese shall prevail in this report.

Unless otherwise stated the results shown in this report refer only to the items tested.

Within the territory of the People's Republic of China, this test report shall only be used for scientific research, technical research and development, teaching, and internal quality control.

*** End***